



Illicit Discharge Detection & Elimination Training

Town of Westford
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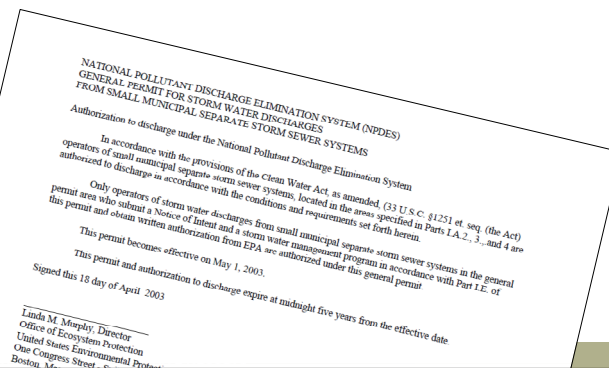
Woodard & Curran
Emily Scerbo, P.E.
Janet Moonan

March 26, 2012
Westford Highway Garage

COMMITMENT & INTEGRITY DRIVE RESULTS

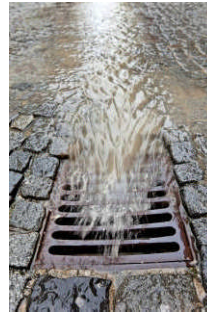
Introduction

- Westford's stormwater discharges are regulated under EPA's Phase II Small Municipal Separate Storm Sewer System (MS4) Permit Program



What is the MS4?

- Conveyance or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, man-made channels, or storm drains)
- Municipally owned or operated
- Includes country drainage



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Stormwater Management Components

- Town must manage stormwater to reduce the discharge of pollutants from the MS4 through six Minimum Control Measures (MCMs):
 - Public Education and Outreach
 - Public Involvement and Participation
 - **Illicit Discharge Detection & Elimination**
 - Construction site Stormwater Runoff Control
 - Post construction Stormwater Management
 - Municipal Pollution Prevention and Good Housekeeping

Illicit Discharge Detection & Elimination

- Map of drainage system
 - Town's GIS
- Bylaw to prohibit illicit discharges to MS4
 - Chapter 82: Discharges to the Municipal Storm Drain System (Adopted May 9, 2008; Effective August 5, 2008)
- Plan to detect and address illicit discharges, including illegal dumping
 - IDDE Plan
- Annual employee training on illicit discharges
 - This is why we're here!



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Today's Goals

Goal #1: Basic Awareness of Town's Stormwater Program

Goal #2: Recognize an Illicit Discharge to the MS4

Goal #3: Know What to Do When Illicit Discharges are Found

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What is an Illicit Discharge?

EPA says “any discharge to a MS4 that is not composed entirely of stormwater”

Indirect discharge

may come from a variety of sources

- Infiltration from failed septic system
- Hazardous waste spills
- Construction site runoff
- Grass clippings leaf litter or other solid material deposited into catch basin

Direct connection

any non-stormwater pipe connected to the MS4

- Washing machine
- Floor drain
- Sewer line or septic system

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What is Prohibited in Westford?

Indirect Discharge

may come from a variety of sources

- Infiltration from failed septic system
- Hazardous waste spills
- Construction site runoff
- Grass clippings leaf litter or other solid material deposited into catch basin

Direct connection

any non-stormwater pipe connected to the MS4

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Obstruction of MS4

no person shall obstruct or interfere with the normal flow of stormwater into or out of the MS4 without prior written approval from Board of Health

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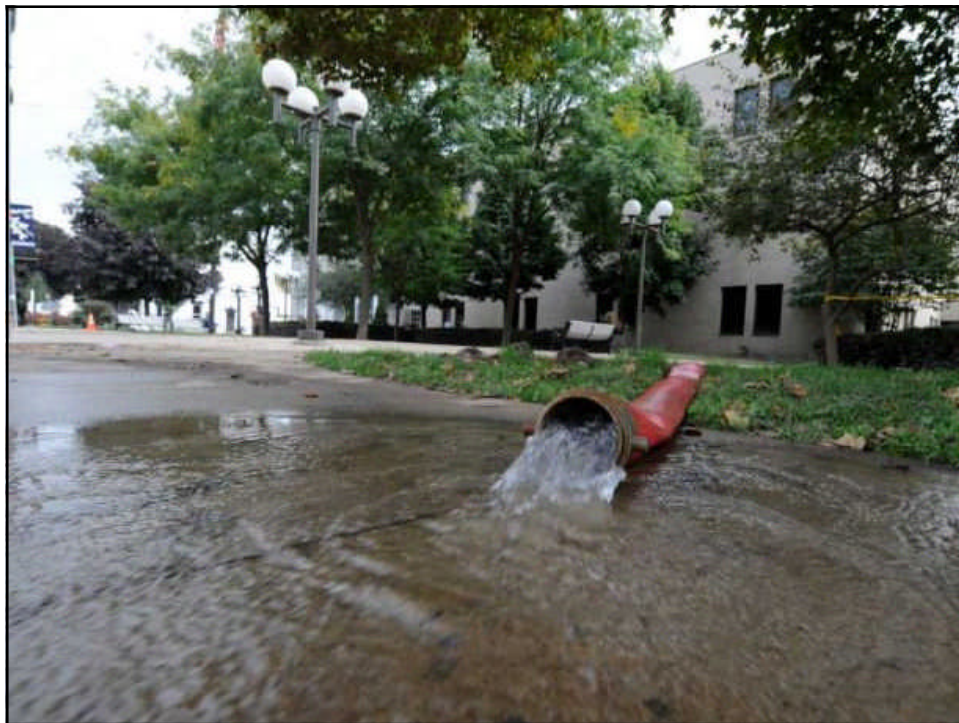
What's Allowed in Westford?

- Flows from Fire Fighting Activities
- Waterline/hydrant flushing
- Dechlorinated swimming pool water
- Water from individual residential vehicle washing
- Landscape irrigation or lawn watering
- Uncontaminated pumped groundwater



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What to do when an Illicit Discharge is Found?

Who you gonna call?



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What to do when an Illicit Discharge is Found?

- In an Imminent Emergency Situation, **call 911**
- In an Urgent Situation, tell your Foreman or call the Fire Department's non-emergency line and ask for the **Officer in Charge**
- In any other situation, tell your Foreman or call **Darren MacCaughey, Health Department**



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- Always keep records!
 - Calls & complaints (name, date, time, complaint)
 - Location of illicit discharge
 - Actions taken by Town (phone calls made, visits to site, etc)
- Engineering keeps records
- If updates to drainage system map are found, tell Foreman or Engineering Division



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Group Exercise

- Who would you call?
- What records would you keep?



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Town Contacts

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Questions

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